

#### FTS Connectivity Marketplace

- ■IBM S/390 Enterprise Data Center Environment World Wide
- High End Customer Set
  - \_Banks
  - -Insurance Companies
  - -Hospitals
  - **-Airlines**
  - **-Utilities**
  - -Government
  - -etc.

#### The FTS Story

- -Customer demand to eliminate under-floor fiber optic congestion.
- Simplify installation and enable easier system link reconfiguration.
- Structured Cabling System includes:
  - -Planning and Design
  - -Installation
  - **IBM Service**

#### History

- **1991** 
  - -Quick disconnect trunk needed
  - -Multifiber connector requirement
  - -Product search initiated
  - -No commercial connector available.
- **1992** 
  - -Multifiber connector search continues
  - -no viable options

#### History Cont...

- **1993** 
  - -Customer demand grows
  - Linear Array Connector Vendors Identified
  - Five Major Players evaluated
  - **-US CONEC Selected** 
    - MT ferrule technology stable
    - MT ferrule already in use by Japan's Telco's

### History Cont....

- 1994
  - -Trunks terminated with MTP
  - -MTP connectorized trunk shipments begin
- **1995** 
  - -MTP Trunk install base grows
  - No Field problems.
- **1996** 
  - Decision made to qualify MTP Connector
  - -No Field problems.
  - -MTP volumes grow, prices decline.

## History Cont....

- **1997** 
  - -MTP Qualification completion 1Q97
  - -IBM Logo on MTP Connector
  - -MTP install base in 10's of thousands
  - -MTP Prices continue to decline

# IBM MTP Performance Specifications

- Loss 0.2 dB/fiber Avg., 0.45dB (3 sigma Max)
- Environmental Testing (Less than 0.5dB change)
  - Ourability 500 cycles plus
  - Thermal Aging (21 days @ +80 deg C)
  - Humidity (95% RH @ +60 deg C)
  - Temp Cycling (+60 deg C / -40 deg C)
  - Thermal Cycling (0 deg C / +75 deg C)
- Cable Retention (22 lbf)